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WHAT IS CLAIMED IS:

- 1. An apparatus for inspecting insulation of a motor comprising:
- a charged body which is arranged near an electrical wire for supplying a power to the motor, the charged body being electrically insulated from the electrical wire; and
- a voltage measurement unit measuring an electromotive force induced in the electrical wire by the charged body.
- 2. An apparatus for inspecting the insulation of a motor comprising:
- a conductor which is electrically connected to a motor electrical wire for supplying a power to the motor;
- a charged body which is arranged near an electrical wire for supplying a power to the motor, the charged body being electrically insulated from the motor electrical wire and the conductor; and
- a voltage measurement device measuring an electromotive force induced in the conductor by the charged body.
- 3. An apparatus according to claim 1, wherein the charged body is an AC electrical wire in which an alternating current flows.
- 4. An apparatus according to claim 3, wherein the AC electrical wire is a power line for supplying a power to a control device of the motor, and is arranged along the motor electrical wire.
- 5. An apparatus according to claim 3, wherein the conductor is a shielded conductor which covers the AC electrical wire.
 - 6. An apparatus according to claim 5, wherein the AC electrical wire and the shield conductor which covers the AC electrical wire are accommodated in a conductive case which is grounded.

- 7. An apparatus according to claim 1, wherein the voltage measurement device is connected to a plurality of motors through relays.
- 8. An apparatus according to claim 2, wherein the conductor is connected to a plurality of motors through relays.
 - 9. An apparatus according to claim 1 or 2, further comprising
 - a display device displaying measurement results of the voltage measurement according to their grades of insulation.

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- 10. A method of inspecting the insulation of a motor comprising steps of:
- arranging a charged body electrically insulated from an electrical wire for supplying a power to the motor near the motor electrical wire; and

measuring an electromotive force induced in the motor electrical wire by the charged body.

- 11. A method of inspecting the insulation of a motor, a motor electrical wire for supplying a power to the motor being electrically connected to a conductor, comprising steps of:
- arranging a charged body electrically insulated from the electrical wire and the conductor near the electrical wire; and

measuring an electromotive force induced in the conductor by the charged body.